

**REMARKS**

Claims 47, 49, 50, 53, 55, 66, 68, 69, 72, 76, 88, 90, 91, and 94 have been amended. Claims 48, 51, 52, 58-65, 67, 70, 71, 77-87, 89, 92, 93, 99-109 have been cancelled without prejudice. Previously claim 1-46 were cancelled. No new claims are added. No new matter is added. Currently claims 47, 49-50, 53-57, 66, 68-69, 72-76, 88, 90-91, 94-98 are pending.

In view of the foregoing amendments and remarks that follow, Applicant respectfully requests reconsideration and timely indication of allowance.

**Response to Claim Objections:**

Claims 47, 55, and 76 have been amended accordingly.

**Response to Allowable Subject Matter:**

The Applicant expresses appreciation to the Examiner for indicating that claims 52-53, 71-72 and 93-94 would be allowable if written in independent form. While, the applicant believes that these claims depend on base claims that are patentable, the features of claims 52, 71, and 93 have been added to claims 47, 66, and 88. As such, claims 47, 66, and 88 and all their dependent claims should now be allowable.

**Response to Claim Rejections:**

Claim 50 has been rejected under 35 USC § 112 as allegedly lacking enablement within the specification.

The above rejection is traversed.

The Examiner had stated that it was inaccurate to say that a processor enters a barrier. The Examiner further explained that a processor is a physical component and can not be said to actually do any thing except to execute instructions. Accordingly, claims 50 has been amended.

Claim 50 as amended recites the compute node of claim 49, wherein the processor is further configured to execute a barrier operation following the completion of write protecting the first set of memory locations and end the barrier operation before resuming the process during the second checkpoint interval. (emphasis added).

**Request for Allowance:**

In view of the foregoing, Applicant submits that all pending claims in the application are patentable. Accordingly, reconsideration and allowance of this application are earnestly solicited. Should any issues remain unresolved, the Examiner is encouraged to telephone the undersigned at the number provided below.

In the event that any fees are due with respect to this paper, please charge Deposit Account No. 01-2300, referencing Atty. Docket No. 030271.00002.

Respectfully submitted,

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